ABSTRACT OF THE DISCLOSURE

Data shared by plural processes of a program are identified and identification information is affixed to the shared data. When the program is linked by a linker, only the shared data to which

5   identification information is affixed are extracted and a shared data area is created. During program execution, this shared data area is uncached and always the main memory is referred or updated. Or, cache is invalidated prior to access of the shared data by the linker. An address of a data of a processor is computed from an address of the

10   data in another processor based on a specific expression.